



Weekly Summary Report

USEPA Oversight, Sauget Area 2, Sauget, IL

WA No. 224-RXBF-05XX / Contract No. 68-W6-0025

Week Ending Friday January 30, 2004

This report summarizes the Remedial Action (RA) work conducted by Solutia and its contractors from January 26, through January 30, 2004. The current RA fieldwork consists of site maintenance and preparation.

Contractors Onsite

Inquip Associates Inc. (barrier wall construction contractor)

Pangea Group (construction support services, primary subcontractor to Inquip)

PSI (Professional Service Industries) (geotechnical testing services, subcontractor to Inquip)

URS (primary consultant for Solutia)

Work Performed This Week

Solutia Bankruptcy / Production Halt

Work at the site decreased significantly during the week with no excavation or backfill activities taking place this week. A minimal crew of Inquip operators and laborers were on site for three days during the week performing site and trench maintenance activities.

The role of Pangea Group at Site R was cut this week, they will only have a periodic presence at the site henceforth, for response to site stormwater activities.

Groundwater Migration Control System (GMCS)

The Groundwater Migration Control pumping system flow rate increased throughout the week as the river level decreased in elevation from 382.4 ft above mean sea level (amsl) on January 23, to 380.3 ft amsl on January 30, 2004. Extraction well, EW-2, located in the center of Site R, started to have pumping problems near the end of the week and stopped pumping in the afternoon of January 29, 2004. URS technicians tested the well and electrical system on January 30, and concluded that the well pump was in need of repair. Layne-Western were contacted to service the well in the coming week.

The pumping system flow rate at the close of the week was 1500 gallons per minute (gpm), with only extraction wells EW-1 and EW-3 operating. The gradient from the river to the water levels at the piezometers was maintained at generally less than one foot difference in elevation throughout the week, however, from January 29, the water elevations in upgradient piezometers P2E, P3E and P4E were greater than the river elevation.

During the week URS repaired piezometer P1N, of which the well riser was severed slightly below ground surface. URS placed a PVC coupling around the two sections of riser, the joint will be concreted in place when temperatures have return to above the freezing point.

URS started work to install transducers in two downgradient piezometers – P1N and P4W. Control wiring to the downgradient piezometer is not yet installed, so these transducers have not been connected into the GMCS control system. The transducers have been programmed to log water elevation data at the piezometers, which will be downloaded periodically by URS. Additionally, URS measured the water levels in piezometers Pz2W and Pz3W daily throughout the week using a water level indicator. The results generally indicated that the water elevation in these two downgradient piezometers was lower than their paired piezometers upgradient of the barrier wall.

Table 1 shows the river and piezometer water elevations on January 30, at 11:00 AM.

Table 1
River and Piezometer Water Elevations – January 30, 2004 (11:00 AM)

	Elevation (ft above mean sea level)
River Level	380.3
Piezometer 1S (northern-most Pz)	379.6
Piezometer 2E	382.0
Piezometer 3E	380.7
Piezometer 4E (southern-most Pz)	380.8

Site Preparation

Inquip worked on January 26, 2004 to widen the access road along the eastern side of the exclusion zone and reinforce the clay berms holding spoils back from the road. The work was in preparation for moving the Koehring 1266 trackhoe from the southern end of the exclusion zone to the north end of the site. Additionally, timber mats were moved into place along parts of the access road to protect the wells adjacent to the road whilst moving the rig.

Stormwater

No stormwater activities occurred during the week.

Slurry Mixing

No fresh slurry was mixed this week.

Barrier Wall Construction

No barrier wall construction activities occurred during the week. The cold weather, with predominantly below freezing temperatures during the week and icy surfaces throughout the site, were cited by Inquip as the reason for postponing construction activities.

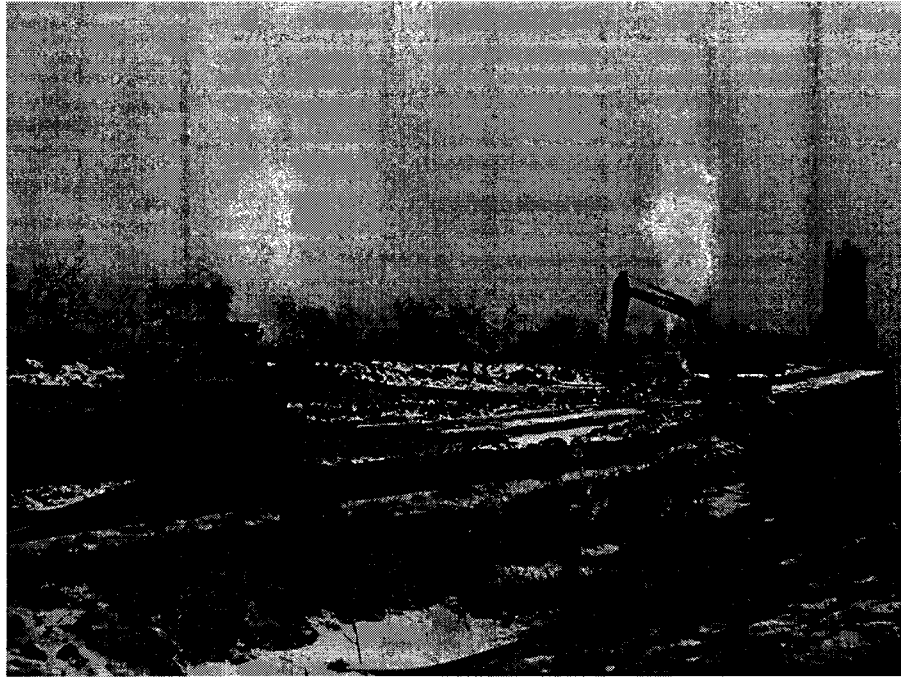
The trench profile was not measured on any day during the week, so the open trench remains at approximately 1,300 feet in length along the barrier wall alignment from station 23+60 towards station 10+60, as at the close of the previous week (please refer to Solutia's map for locations). No backfill activities occurred during the week. For the current trench profile and construction progress graphs please refer to the previous weekly report for the week ending January 23, 2004.

Fresh bentonite slurry was pumped from the slurry holding ponds into the trench on three

days during the week. The clay berms on the sides of the open trench were elevated in height slightly on the north end, so that the trench could hold a greater volume and elevate the slurry to the required elevation. (Previously the slurry elevation had been decreasing from normal levels because the berms were flattened on the north end of the trench during backfilling.) No slurry testing was performed during the week.

Gradation analysis results received of the backfill samples from December 15 through December 30, 2003 were reviewed during the week. Gradation results met the specifications for percent passing each of the sieve sizes on all samples.

Photos from week – January 26, through January 30, 2004:



Rigs start work to widen access road within exclusion zone, in preparation for moving Koehring trackhoe (January 26, 2004).



URS repair piezometer Pz1N(January 29, 2004).